

**JUNE 09-10 2022 | PARIS** UICP

16 RUE JEAN REY 75015



HEART



LUNG

# ECOS-TCS

## INTERNATIONAL CONGRESS

[www.paris-ecostcs.com](http://www.paris-ecostcs.com)

Program committee

N. Aissaoui • L. Bonello • E. Bonnefoy • N. Bréchet  
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KIDNEY



LIVER



COVERCOME

**We are pleased  
to welcome you to Paris,  
to the International ECOS-TCS Congress.**

ExtraCorporeal Organ Support (ECOS) and Temporary Circulatory Support (TCS) systems are indeed increasingly used and frequently associated to treat patients with cardiac, respiratory, kidney and liver failure and those needing blood purification techniques...

We will be pleased to discover more about the systems and platforms designed to support or replace organs compromised by sepsis, trauma, or specific cardiac, respiratory, kidney, or liver acute diseases. Of course, many sessions will discuss the use of ECOS devices and outcomes of patients with the most severe forms of COVID-19. A specific congress track will be dedicated to Temporary Circulatory Support (TCS) devices, that are increasingly used by interventional cardiologists and intensivists to treat cardiogenic shock due to acute myocardial infarction and end-stage cardiac failure.

The Congress will provide state-of-the-art discussions on the indications and results of extracorporeal gas exchange techniques (venovenous ECMO and ECCO2R) for acute respiratory failure. Specific sessions will cover the latest evidence and practical management of patients with acute kidney injury in need of renal replacement therapy, acute liver failure, or pathologies requiring emergent blood purification techniques.

Cardiologists and particularly interventional cardiologists, heart and lung surgeons, pulmonologists, nephrologists, intensivists, hematologists, emergency physicians, anesthesiologists, respiratory therapists, perfusionists, and nurses will have the unique opportunity to discuss with world key opinion leaders all theoretical and practical management aspects of these emerging and very promising technologies.

*We wish you a successful Congress!*



**www.paris-ecostcs.com +**

**Logistics organization and registration  
OVERCOME**

13-15 rue des Sablons, 75116 Paris, France

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## THURSDAY 9 JUNE

Rooms	09.00 10.00	10.00 11.00		11.30 12.30	12.45 13.45	14.15 15.15	15.15 16.15		16.45 17.45
LIST/STEPHENSON	<b>Renal replacement therapy for AKI (1)</b>	<b>ECOS for cardiac arrest</b>	☕ 11.00-11.30 Coffee break and posters	<b>ARDS 2022: what's new?</b>	<b>Lunch industry symposium</b>	<b>ECCO2R</b>	<b>Industry symposium</b>	☕ 16.15-16.45 Coffee break and posters	<b>Renal Replacement Therapy (2)</b>
303		<b>Pediatric ECMO (1)</b>		<b>Blood purification techniques</b>					

## FRIDAY 10 JUNE

Rooms	08.30 09.30	09.30 10.45		11.15 12.15	12.30 13.30	14.00 15.00	15.00 16.00		16.15 17.30
LIST/STEPHENSON	<b>TCS in AMI patients</b>	<b>VV ECMO</b>	☕ 10.45-11.15 Coffee break and posters	<b>Pulmonary congestion under VA-ECMO</b>	<b>COVID-19</b>	<b>Cardiogenic shock 2022 update</b>	<b>TCS for right ventricle failure</b>	☕ 16.00-16.15 Coffee break	<b>Pediatric ECMO (2)</b>
303	<b>ECOS is not only ECMO...</b>	<b>Mobilization in ECMO</b>		<b>Let's participate to interactive ECMO cases...</b>		<b>E-CPR in 2022</b>	<b>Covid-19: what did we learn?</b>		

■ Sessions for physicians ■ Sessions for nurses and perfusionists

## 09.00 - 10.00 RENAL REPLACEMENT THERAPY FOR AKI (1)

Chairs: A. COMBES, Paris - FRA - S. GAUDRY, Bobigny - FRA

- Place of renal replacement therapy in the history of intensive care *D. DREYFUSS, Colombes - FRA*
- How to choose the best modality? *S. GAUDRY, Bobigny - FRA*
- Should we increase the RRT dose during sepsis? *E. CANET, Nantes - FRA*

## 10.00 - 11.00 ECOS FOR CARDIAC ARREST

Chairs: N. BRÉCHOT, Paris - FRA - G. LEBRETON, Paris - FRA

- Mortality prediction for ECPR patients? *J.E. TONNA, Salt Lake City - USA*
- The Prague OHCA Study... *J. BELOHLAVEK, Prague - CZ*
- Cytokine adsorption in ECPR patients? *A. SUPADY, Freiburg - GER*

☕ 11.00 - 11.30 ▶ Coffee break and Cannulation Workshop (limited seats)

## 11.30-12.30 ARDS 2022: WHAT'S NEW?

Chairs: A. COMBES, Paris - FRA - N. FERGUSON, Toronto - CAN

- Prognostication in ARDS: mechanical power Vs. ventilator variables *E. FAN, Toronto - CAN*
- COVID vs non COVID ARDS: similarities and differences *D. BRODIE, New York - USA*
- A new definition for ARDS? *N. FERGUSON, Toronto - CAN*

12.45-13.45

## 🕒 LUNCH INDUSTRY SYMPOSIUM HOSTED BY FRESENIUS

### A NEW GENERATION OF CARDIAC ASSISTANCE, ECG-SYNCHRONIZED PULSATILE SUPPORT

Chair: G. LEBRETON, Paris - FRA

- Potential beneficial effects of pulsatility *A. OUATTARA, Bordeaux - FRA*
- Pulsatility what do we learn from experimental results? *P. OSTADAL, Prague, CZ*
- Current VA-ECMO limitations, from Physiopathology to clinical practice *I. VOIGT, Essen - GER*

☕ 13.45 - 14.15 ▶ Coffee break and Cannulation Workshop (limited seats)

## 14.15-15.15 ECCO2R

Chairs: C. KARAGIANNIDIS, Koeln - GER - D. MCAULEY, Belfast - UK

- Still indications for ECCO2R in ARDS after the REST trial? *D. MCAULEY, Belfast - UK*
- Extracorporeal ion-exchange resin-based ECCO2R *A. ZANELLA, Milano - ITA*
- ECCO2R in hypercapnic respiratory failure *C. KARAGIANNIDIS, Koeln - GER*

## 15.15-16.15 INDUSTRY SYMPOSIUM HOSTED BY BAXTER INNOVATION AND CLINICAL EXPERIENCE IN ECCO2R

Chair: A. COMBES, Paris - FRA

- Innovation & technology behind ECCO2R *M. STORR - GER*
- First PrismaLung + clinical experience *A. COMBES, Paris - FRA*
- What's next: International Research Database for Extracorporeal Support (INDEX) *E. FAN, Toronto - CAN*

☕ 16.15-16.45 ▶ Coffee break and Cannulation Workshop (limited seats)

## 16.45-17.45 RENAL REPLACEMENT THERAPY FOR AKI (2)

Chairs: S. GAUDRY, Bobigny - FRA - C.-E. LUYT, Paris - FRA

- Can RRT setting affect long-term renal outcomes? *S. BAGSHAW, Edmonton - CAN*
- Should we personalize RRT initiation? *R. MEHTA, San Diego - USA*
- How to interpret RCTs on RRT timing? *S. BAGSHAW, Edmonton - CAN*

## 10.00 - 11.00 PEDIATRIC ECMO (1)

Chair: P.-L. LÉGER, Paris - FRA

- ECMO in post-cardiotomy : indication and management
- Echocardiography at the ECMO bedside
- How to manage ECMO blood flow on VA ECMO

*N. JORAM, Nantes - FRA  
F. EL-LOUALI, Marseille - FRA  
P.-L. LÉGER, Paris - FRA*

## 11.30 - 12.30 BLOOD PURIFICATION TECHNIQUES

Chairs: M. SCHMIDT, Paris - FRA - A. SUPADY, Freiburg - GER

- Hemadsorption for complicated cardiac surgery
- Combining ECMO and blood purification techniques
- Hemadsorption for advanced liver support

*M. DIAB, Jena - GER  
A. SUPADY, Freiburg - GER  
F. SALIBA, Villejuif - FRA*

### CANNULATION WORKSHOPS IN THE EXHIBITION

with I. HASSAN and A. A. HSSAIN, Doha - QAT

*8 places per time slot*

#### ON THURSDAY, JUNE 9

11.00-11.30 / 13.45-14.15 / 16.15-16.45

#### ON FRIDAY, JUNE 10

10.45-11.15 / 13.30-14.00

### ECMO TROUBLESHOOTING (SIMULATION SESSION) Room 303

with E. BESNARD, Paris - FRA

*10 places, for physicians and paramedics*

#### ON FRIDAY, JUNE 10

10.45-11.15

Please register at the Congress  
welcome desk.



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# FRIDAY 10 JUNE – ROOM LIST/STEPHENSON

## 08.30 - 09.30 TCS IN AMI PATIENTS (IN PARTNERSHIP WITH THE CFCI)

Chair: A. COMBES, Paris - FRA

- Why SCAI class C AMI patients should receive early VA-ECMO... *U. ZEYMER, Ludwigshafen - GER*
- Oral vs. intravenous antithrombotic agents in AMI shock patients? *J. SILVAIN, Paris - FRA*
- Roundtable with the experts - TCS in AMI patients: When? In Whom?

## 09.30 - 10.45 VV ECMO

Chairs: E. FAN, Toronto - CAN - M. SCHMIDT, Paris - FRA

- Should we prone all VV ECMO patients?
- Awake ECMO for severe ARDS: fact or fiction?
- ECMO in immunocompromised patients
- Weaning strategies in VV ECMO...

*L. PAPAZIAN, Marseille - FRA*  
*A. COMBES, Paris - FRA*  
*M. KOCHANNEK, Köln - GER*  
*E. FAN, Toronto - CAN*

☕ 10.45 - 11.15 ▶ Coffee break and Workshops (limited seats)

## 11.15 - 12.15 PULMONARY CONGESTION UNDER VA-ECMO FOR CARDIOGENIC SHOCK: A COLLABORATIVE MANAGEMENT. (IN PARTNERSHIP WITH THE USC GROUP)

Chairs: G. HÉKIMIAN, Paris - FRA - G. LEURENT, Rennes - FRA

- First line LV venting option: IABP or Impella
- Percutaneous atrial septostomy: an alternative way
- Definition of a practical algorithm

*A. COMBES, Paris - FRA*  
*G. LEURENT, Rennes - FRA*  
*N. BRÉCHOT, Paris - FRA*

## 12.30-13.30 COVID-19

Chairs: A. COMBES, Paris - FRA - I. HASSAN, Doha - QAT - M. SCHMIDT, Paris - FRA

- Worsening outcomes over time for COVID patients on ECMO? *J. RIERA, Barcelona - SPA*
- Latest results of lung transplantation for non-recovering COVID patients? *P. SCHELLONGOWSKI, Vienna - AUT*
- Roundtable with the experts - (Re)defining the indications of ECMO in COVID patients

☕ 13.30 - 14.00 Coffee break and Cannulation Workshop (limited seats)

## 14.00 - 15.00 MANAGEMENT OF SHOCK WITH ECOS

Chairs: A. COMBES, P. LEPRINCE, Paris - FRA

- Hypothermia for VA-ECMO patients? *B. LEVY, Nancy - FRA*
- Endotoxic Shock and Sepsis-Induced AKI: advanced blood purification solutions (with ESTOR) *V. CANTALUPPI, Novara - ITA*
- TCS trials for AMI cardiogenic shock patients *A. COMBES, Paris - FRA*

## 15.00-16.00 TCS FOR RIGHT VENTRICLE FAILURE

Chairs: O. MERCIER, Paris - FRA - L. SAVALE, Le Kremlin Bicêtre - FRA

- Clinical impact of RV remodelling and reverse remodelling using CMR assessment *M. VAN DE VEERDONK, Amsterdam - NL*
- 4D pulmonary flow analysis to predict post-therapeutic RV dysfunction *A. AZARINE, Paris - FRA*
- Peroperative monitoring of right ventricle physiology *A. DENAULT, Montreal - CAN*

☕ 16.00 - 16.15 ▶ Coffee break and posters

## 16.15 - 17.30 PEDIATRIC ECMO (2)

Chairs: E. HERVIEUX, Paris - FRA - N. JORAM, Nantes - FRA

- Ventilation settings in P-ARDS under VV ECMO *P.-L. LÉGER, Paris - FRA*
- How to prone a pediatric ECMO patient? *P.-L. LÉGER, Paris - FRA*
- Percutaneous or surgical cannulation for vascular accesses in children? *E. HERVIEUX, Paris - FRA*
- Echocardiography at the ECMO bedside *F. EL-LOUALI, Marseille - FRA*

## NURSE SESSIONS

### 08.30 - 09.30 “ECOS IS NOT ONLY ECMO...”


Chairs: H. GUILLOU, Paris - FRA - S. VALERA, Marseille - FRA

- ECCO2R: what's new in the pipe? *C. JUNIVART, Paris - FRA*
- Plasmapheresis: tricks and tips *H. GUILLOU, Paris - FRA*
- Impella... the new device in the field? *A. BEURTON, Bordeaux - FRA*

### 09.30 - 10.30 “MOBILIZATION IN ECMO”

Chairs: H. GUILLOU, Paris - FRA - S. VALERA, Marseille - FRA

- Organization of the Mobil assistance unit *A. AMBLARD, Paris - FRA*
- Prone position during ECMO: why and how to do it? *C. JUNIVART, Paris - FRA*
- Specificities for ECMO in Pediatrics *J. RAMBAUD, Paris - FRA*

 10.45 - 11.15 ▶ Coffee break, posters and Workshops

### 11.15 - 12.15 “LET’S PARTICIPATE TO INTERACTIVE ECMO CASES...”

*E. BESNARD, Paris - FRA - S. VALERA, Marseille - FRA*

 12.30 - 13.30 ▶ Lunch session on Covid in Room List/Stephenson

 13.30-14.00 ▶ Coffee break

### 14.00 - 15.00 E-CPR IN 2022

Chairs: H. GUILLOU, C. MOSSADEGH, Paris - FRA

- What do we know about E-CPR in 2022? *A. HUTIN, Paris - FRA*
- Function of the nurse during out of hospital E-CPR? *A. HUTIN, Paris - FRA*
- “Scoop and run” vs “Stay on the scene”? *J. BELOHLAVEK, Prague - CZ*

### 15.00 - 16.00 COVID-19: WHAT DID WE LEARN?

Chairs: C. MOSSADEGH, M. PINETON DE CHAMBRUN, Paris - FRA

- ECMO for COVID-19: which results? *M. PINETON DE CHAMBRUN, Paris - FRA*
- How did nursing work change during the pandemic in France? *S. VALERA, Marseille - FRA*
- COVID-19 pandemic in Guadeloupe, how did we handle this? *L. CAMOUS, Pointe-à-Pitre - FRA*
- ECMO for COVID-19: which sequelae? *J. CHOMMELOUX, Paris - FRA*

 16.00 - 16.15 ▶ Coffee break and posters

**THE POSTERS WILL BE PRESENTED  
AS DISCUSSED POSTERS DURING THE COFFEE BREAKS,  
ON THURSDAY AFTERNOON AND ON FRIDAY MORNING.**

**P1. In Infections after trauma are associated with subsequent cardiac injury**

*Pierpaolo MAIETTA*

**P2. Caspofungin adsorption in a polyacrylonitrile-derived filter. Increasing the dose does not balance adsorption**

*Frédéric BAUD, Vincent JULLIEN, Jean-Herle RAPHALEN, Anne CASTOT-VILLEPELET, Lionel LAMHAUT*

**P3. Pharmacokinetic characterization of gentamicin adsorption in a polyacrylonitrile-derived filter**

*Frédéric BAUD, Hervé CHIDAINÉ, Stéphanie VICCA, Haroune JMEL, Lionel LAMHAUT*

**P4. The role of extracorporeal membrane oxygenation in donation after circulatory death: initial experience in a regional ECMO and Transplantation center**

*Gaspare DI LORENZO*

**P5. Follow-up on ECMO after Cardiac Surgery: Analysis of prognostic factors**

*Vusal HAJIYEV, Temirlan ERKENOV, Oliver GRIMMIG, Anja MUHLE, Seymur MUSAYEV*

**P6. ECMO support for post-cardiotomy cardiac failure in octogenarians**

*Nadezda SCUPAKOVA, Agne JANKUVIENE, Lina PUODZIUKAITE, Povilas ANDRIJAUSKAS, Karolis URBONAS, Robertas SAMALAVICIUS*





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## GENERAL INFORMATION

### CONGRESS REGISTRATION

VENUE: UICP, 16 rue Jean Rey, 75015 Paris, France

REGISTRATIONS	On site
Physicians	520 €
SRLF or ESICM members*	470 €
Nurses, technicians, students*	340 €

\* Proof of status/membership will be required

The registration fee includes: access to the scientific sessions and the exhibition, daily breaks as well as Congress documents.

### LOGISTICS ORGANIZATION AND REGISTRATION

OVERCOME: 13-15 rue des Sablons  
75116 Paris, France

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E-mail: [paris-ecostcs@overcome.fr](mailto:paris-ecostcs@overcome.fr)

**LA PITIÉ**  
**"INTERNATIONAL DIPLOMA  
IN ECMO SHORT-TERM  
RESPIRATORY/CIRCULATORY SUPPORT"**

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**NOVEMBER 14-18, 2022 - DECEMBER 5-9, 2022**

**JANUARY 10-13, 2023 - MARCH 13-17, 2023**

Institute of Cardiology, La Pitié Hospital

52 boulevard Vincent Auriol  
75013 Paris, FRANCE

[www.ecmo-diploma.paris-ecostcs.com](http://www.ecmo-diploma.paris-ecostcs.com)



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THE  
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